EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	7	spline adj display	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/07 09:26
S2	79	spline near3 display	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/07 09:33
S3	72309	"345"/$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/07 09:27
S4	13	S3 and S2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/07 09:29
S5	62857	spline	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/07 09:30
S6	1119	S3 and S5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/07 09:30
S7	0	spline WITH display with options	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/07 09:33
S8	1	spline WITH display with option	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 09:34

EAST Search History

S9	313	control adj polygon	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 09:34
S10	52	S9 and S3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 09:34
S11	25	S9 and S3 and spline	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 09:41
S12	8	animation adj spline	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 10:28
S13	55	spline adj points	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/07 10:29
S14	291	spline near3 control near3 points	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/10 10:30
S15	72415	"345"/$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/10 10:30
S16	119	S15 and S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/10 10:48

EAST Search History

S17	176	(ascending adj mode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/10 10:48
S18	0	S17 and S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/10 10:48
S19	90933	spline	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/10 10:48
S20	0	S19 and S18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/10 10:49
S21	2	pose adj knots	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/10 10:49
S22	2	timing adj knot	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/10 10:50
S23	8	animation adj spline	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/10 10:50
S24	15	animation near3 spline	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/10 10:52

S25	111	spline and 345/473.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/10 10:57
S26	1155	345/473.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/10 10:57
S31	50	(("6016148") or ("6115051") or ("6198247") or ("6256038") or ("6256039") or ("6271856") or ("6459227") or ("6476804") or ("6483506") or ("6720962") or ("6738062") or ("5349802") or ("6143029") or ("6415174") or ("6587747") or ("6675061") or ("6757423") or ("6934601") or ("5792151") or ("5220709") or ("5370286") or ("5480406") or ("5681351") or ("5899014") or ("6056243") or ("4879787") or ("4320900") or ("5416925") or ("5620661") or ("5774893") or ("6099553") or ("4021010") or ("4044709") or ("4173792") or ("4106731") or ("4293125") or ("4297673") or ("4324135") or ("4362157") or ("4399695") or ("4413438") or ("4602635") or ("4780343") or ("4803909") or ("4856114") or ("4881916") or ("4895741") or ("5014483") or ("5020833") or ("5178008")).PN.	USPAT	OR	OFF	2006/02/10 14:48

EAST Search History

S32	50	(("6108011") or ("5317682") or ("6012813") or ("4468688") or ("5717848") or ("5892691") or ("4952051") or ("5594856") or ("5731821") or ("6144385") or ("5680531") or ("5692117") or ("6037949") or ("5008987") or ("5251363") or ("6192554") or ("5390292") or ("5594853") or ("5815401") or ("5892506") or ("4765235") or ("5812141") or ("6272437") or ("6594590") or ("6901352") or ("6130673") or ("5659692") or ("5936864") or ("6377865") or ("5227978") or ("6101280") or ("5854634") or ("5883638") or ("6373492") or ("6577315") or ("4623977") or ("4836809") or ("5864344") or ("6154723") or ("5412770") or ("5325477") or ("5627949") or ("5945991") or ("4831545") or ("4916629") or ("4472966") or ("4482250") or ("5357112") or ("5444635") or ("5585732")).PN.	USPAT	OR	OFF	2006/02/10 14:47
S33	72415	"345"/$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/10 14:48
S34	11	S31 and S33	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/10 14:48
S35	26	S32 and S33	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/10 14:49
S36	1155	345/473.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/10 14:49

EAST Search History

S37	3	S36 and S31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/10 14:49
S38	8	S36 and S32	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/10 14:49
S39	11	S37 or S38	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/10 14:49
S40	21	("4674058" | "5253336" | "5309521" | "5317650" | "5341317" | "5363479" | "5408598" | "5412770" | "5473742" | "5500927" | "5638503" | "5692117" | "5694535" | "5717848" | "5731820").PN. OR ("6115051"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/10 15:03
S41	37	S34 or S35	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/10 15:03
S42	17	spline and reparameterization	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/10 15:10
S43	6	"6,591,146"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 09:37
S44	2	("6,591,146").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/17 09:37

EAST Search History

S45	2	("5959608").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/17 15:57
S46	364	345/442.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/21 08:29
S47	1	animation SAME spline SAME (knot OR "control points" OR "control point") SAME path SAME (flip$4 OR revers$3 OR swap$4 OR invert$3 OR invers$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/21 08:32
S48	88	animation and spline and (knot OR "control points" OR "control point") and path and (flip$4 OR revers$3 OR swap$4 OR invert$3 OR invers$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/21 08:33
S49	6	animation and spline and path and (knot OR "control points" OR "control point") with (flip$4 OR revers$3 OR swap$4 OR invert$3 OR invers$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/21 08:33

Google Search History for 10/783797

2/17/2006
1: animation spline (knot OR "control points" OR "control point") path axis

2: animation spline (knot OR "control points" OR "control point") path (flip OR reverse OR swap OR invert OR inverse OR

transpose OR rearrage OR flipped OR reversed OR swapped OR inverted OR inversed OR transposed OR rearraged OR

transposing OR rearraging OR flipping OR reversing OR swapping OR inverting OR inversing OR transposing OR rearraging)

axis

File 348:EUROPEAN PATENTS 1978-2006/Feb W02
        (c) 2006 European Patent Office
File 349:PCT FULLTEXT 1979-2006/UB=20060209,UT=20060202
        (c) 2006 WIPO/Univentio

```
Set     Items    Description
S1      82015    (FLIP? OR REVERSE?? OR REVERSING OR INVERT? OR INVERSION OR
                 SWAP? OR ARRANG? OR REARRANG?OR TRANSPOSE?? OR TRANSPOSING)(-
                 3N)(AXIS OR AXES OR X OR Y OR Z OR ORDINATE?? OR CO()ORDINATE-
                 ?? OR GRAPH?? OR VERTICAL? OR HORIZONTAL?)
S2      1036594  CONTROL?()POINT? OR (POSE OR TIME)()KNOT? OR KNOT?? OR POI-
                 NT?? OR LOCUS OR LOCI
S3      1023624  (SAWTOOTH OR RAMP OR STEP)(3N)(FUNCTION OR  CURVE??) OR CU-
                 RVE?? OR CURVILINEAR OR SPLINE?? OR PLOT???? OR (CURVE?? OR P-
                 OLYNOMIAL)()FIT? OR SINE OR SINUSOID? OR COSINE OR TANGENT OR
                 CO()TANGENT OR SECANT OR CO()SECANT OR RAMP OR STEP OR WAVE()-
                 FORM??
S4      0        REPARAMET?
S5      724105   PRINT?(3N)SCREEN?? OR DISPLAY?? OR MONITOR?? OR LCD OR LIQ-
                 UID()CRYSTAL()DISPLAY?? OR SCREEN?? OR PANEL??
S6      234      AU=(PODESTA, R? OR PODESTA R? OR CLARK, S? OR CLARK S? OR -
                 SCHOENEMAN, C? OR SCHOENEMAN C? OR MILLIRON, T? OR MILLIRON T-
                 ?)
S7      100575   (TIME OR FREQUENCY)(3N)(DISTANCE?? OR MILE?? OR KILOMETER??
                 OR LENGTH OR FRAME??)
S8      13166    ANIMAT?
S9      34       SPLINE(3N)DISPLAY??
S10     0        S9(3N)S1
S11     5        S9 AND S1
S12     5        S11(20N)(S2 OR S3 OR S5 OR S7)
S13     2        S12 AND IC=G06T?
S14     3        S12 NOT S13
S15     1        S9(3N)S8
S16     0        S15 NOT S11
S17     0        S9(3N)(TIME OR FREQUENCY)
S18     681      S1(3N)S2
S19     18       S18(3N)S3
S20     0        S19(3N)RE()PARAMETER?
S21     1        S19(3N)S5
S22     0        S21 NOT (S13 OR S14)
S23     23       S18(3N)(S7 OR TIME OR FRAME??)
S24     0        S23(3N)S8
S25     23       S23 NOT S12
S26     1        S25 AND IC=G06T?
S27     1 ·      S26 NOT (S13 OR S14)
S28     2        S23 AND S19
S29     2        S28 NOT (S13 OR S14 OR S27)
S30     0        S29 NOT (MACHINING OR COMPOUND)
S31     1        (S19 OR S25) AND S6
S32     0        S31 NOT (S13 OR S14 OR S27)
S33     39       (FLIP? OR REVERSE?? OR REVERSING OR INVERT? OR INVERSION OR
                 SWAP? OR ARRANG? OR REARRANG?OR TRANSPOSE?? OR TRANSPOSING)(-
                 3N)(S19 OR S25)
S34     39       IDPAT (sorted in duplicate/non-duplicate order)
S35     38       IDPAT (primary/non-duplicate records only)
S36     13       S35 NOT ARRANGE??
S37     12       S36 NOT (S13 OR S14 OR S27)
S38     0        S37 AND IC=G06T?
S39     0        RD
S40     0        S19(3N)(SAWTOOTH?? OR SAW()TOOTH??)
S41     0        S25(3N)(SAWTOOTH?? OR SAW()TOOTH??)
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Set   Items   Description
S1   84966   (FLIP? OR REVERSE?? OR REVERSING OR INVERT? OR INVERSION OR
                 SWAP? OR ARRANG? OR REARRANG?OR TRANSPOSE?? OR TRANSPOSING)(-
                 3N)(AXIS OR AXES OR X OR Y OR Z OR ORDINATE?? OR CO()ORDINATE-
                 ?? OR GRAPH?? OR VERTICAL? OR HORIZONTAL?)
S2   1189626   CONTROL?()POINT? OR (POSE OR TIME)()KNOT? OR KNOT?? OR POI-
                 NT?? OR LOCUS OR LOCI
S3   950328   (SAWTOOTH OR RAMP OR STEP)(3N)(FUNCTION OR CURVE??) OR CU-
                 RVE?? OR CURVILINEAR OR SPLINE?? OR PLOT???? OR (CURVE?? OR P-
                 OLYNOMIAL)()FIT? OR SINE OR SINUSOID? OR COSINE OR TANGENT OR
                 CO()TANGENT OR SECANT OR CO()SECANT OR RAMP OR STEP OR WAVE()-
                 FORM??
S4   0   REPARAMERITI?
S5   2172709   PRINT?(3N)SCREEN?? OR DISPLAY?? OR MONITOR?? OR LCD OR LIQ-
                 UID()CRYSTAL()DISPLAY?? OR SCREEN?? OR PANEL??
S6   354   AU=(PODESTA, R? OR PODESTA R? OR CLARK, S? OR CLARK S? OR -
                 SCHOENEMAN, C? OR SCHOENEMAN C? OR MILLIRON, T? OR MILLIRON T-
                 ?)
S7   45752   (TIME OR FREQUENCY)(3N)(DISTANCE?? OR MILE?? OR KILOMETER??
                 OR LENGTH OR FRAME??)
S8   11191   ANIMAT?
S9   26   SPLINE(3N)DISPLAY??
S10   1   S9(3N)S1
S11   2   S9(3N)S2
S12   1   S11 NOT S10
S13   26   S9(3N)S3
S14   1   S13(3N)(SAWTOOTH?? OR SAW()TOOTH??)
S15   0   S14 NOT (S10 OR S12)
S16   26   S9(3N)S5
S17   0   S16(3N)S7
S18   1   S16(3N)(TIME OR FREQUENCY)
S19   1   S18 NOT (S10 OR S12)
S20   1   S9(3N)S8
S21   0   S20 NOT (S10 OR S12 OR S19)
S22   2   S16 AND IC=H04N?
S23   2   S22 NOT (S10 OR S12 OR S19)
S24   438   S1(3N)S2
S25   4   S24(3N)S3
S26   3   S25 NOT (S10 OR S12 OR S19 OR S23)
S27   0   S26 NOT ARRANGED
S28   3   S24(3N)S5
S29   0   S28 NOT (S10 OR S12 OR S19 OR S23 OR ARRANGED)
S30   1   S24 AND S6
S31   0   S30 NOT S10

```
File    9:Business & Industry(R)  Jul/1994-2006/Feb 16
          (c) 2006  The Gale Group
File   15:ABI/Inform(R) 1971-2006/Feb 17
          (c) 2006 ProQuest Info&Learning
File   16:Gale Group PROMT(R) 1990-2006/Feb 16
          (c) 2006 The Gale Group
File   20:Dialog Global Reporter 1997-2006/Feb 17
          (c) 2006 Dialog
File   47:Gale Group Magazine DB(TM) 1959-2006/Feb 17
          (c) 2006 The Gale group
File   75:TGG Management Contents(R) 86-2006/Jan W5
          (c) 2006 The Gale Group
File   80:TGG Aerospace/Def.Mkts(R) 1982-2006/Feb 16
          (c) 2006 The Gale Group
File   88:Gale Group Business A.R.T.S. 1976-2006/Feb 13
          (c) 2006 The Gale Group
File   98:General Sci Abs 1984-2004/Dec
          (c) 2005 The HW Wilson Co.
File  112:UBM Industry News 1998-2004/Jan 27
          (c) 2004 United Business Media
File  141:Readers Guide 1983-2004/Dec
          (c) 2005 The HW Wilson Co
File  148:Gale Group Trade & Industry DB 1976-2006/Feb 17
          (c)2006 The Gale Group
File  160:Gale Group.PROMT(R) 1972-1989
          (c) 1999 The Gale Group
File  275:Gale Group Computer DB(TM) 1983-2006/Feb 16
          (c) 2006 The Gale Group
File  264:DIALOG Defense Newsletters 1989-2006/Feb 17
          (c) 2006 Dialog
File  484:Periodical Abs Plustext 1986-2006/Feb W2
          (c) 2006 ProQuest
File  553:Wilson Bus. Abs. 1982-2004/Dec
          (c) 2005 The HW Wilson Co
File  570:Gale Group MARS(R) 1984-2006/Feb 16
          (c) 2006 The Gale Group
File  608:KR/T Bus.News. 1992-2006/Feb 17
          (c)2006 Knight Ridder/Tribune Bus News
File  620:EIU:Viewswire 2005/Oct 19
          (c) 2005 Economist Intelligence Unit
File  613:PR Newswire 1999-2006/Feb 17
          (c) 2006 PR Newswire Association Inc
File  621:Gale Group New Prod.Annou.(R) 1985-2006/Feb 17
          (c) 2006 The Gale Group
File  623:Business Week 1985-2006/Feb 17
          (c) 2006 The McGraw-Hill Companies Inc
File  624:McGraw-Hill Publications 1985-2006/Feb 17
          (c) 2006 McGraw-Hill Co. Inc
File  634:San Jose Mercury  Jun 1985-2006/Feb 16
          (c) 2006 San Jose Mercury News
File  635:Business Dateline(R) 1985-2006/Feb 17
          (c) 2006 ProQuest Info&Learning
File  636:Gale Group Newsletter DB(TM) 1987-2006/Feb 16
          (c) 2006 The Gale Group
File  647:CMP  Computer Fulltext 1988-2006/Feb W4
          (c) 2006 CMP Media, LLC
File  696:DIALOG Telecom. Newsletters 1995-2006/Feb 16
          (c) 2006 Dialog
File  674:Computer News Fulltext 1989-2005/Oct W2
          (c) 2005 IDG Communications
File  810:Business Wire 1986-1999/Feb 28
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Set     Items    Description
S1      19909    (FLIP? OR REVERSE?? OR REVERSING OR INVERT? OR INVERSION OR
                 SWAP? OR ARRANG? OR REARRANG?OR TRANSPOSE?? OR TRANSPOSING)(-
                 3N)(AXIS OR AXES OR X OR Y OR Z OR ORDINATE?? OR CO()ORDINATE-
                 ?? OR GRAPH?? OR VERTICAL? OR HORIZONTAL?)
S2      13244264 CONTROL?()POINT? OR (POSE OR TIME)()KNOT? OR KNOT?? OR POI-
                 NT?? OR LOCUS OR LOCI
S3      5884007  (SAWTOOTH OR RAMP OR STEP)(3N)(FUNCTION OR  CURVE??) OR CU-
                 RVE?? OR CURVILINEAR OR SPLINE?? OR PLOT???? OR (CURVE?? OR P-
                 OLYNOMIAL)()FIT? OR SINE OR SINUSOID? OR COSINE OR TANGENT OR
                 CO()TANGENT OR SECANT OR CO()SECANT OR RAMP OR STEP OR WAVE()-
                 FORM??
S4      0        REPARAMET?
S5      8857115  PRINT?(3N)SCREEN?? OR DISPLAY?? OR MONITOR?? OR LCD OR LIQ-
                 UID()CRYSTAL()DISPLAY?? OR SCREEN?? OR PANEL??
S6      4811     AU=(PODESTA, R? OR PODESTA R? OR CLARK, S? OR CLARK S? OR -
                 SCHOENEMAN, C? OR SCHOENEMAN C? OR MILLIRON, T? OR MILLIRON T-
                 ?)
S7      495562   (TIME OR FREQUENCY)(3N)(DISTANCE?? OR MILE?? OR KILOMETER??
                 OR LENGTH OR FRAME??)
S8      595324   ANIMAT?
S9      24       SPLINE(3N)DISPLAY??
S10     0        S9(3N)(S1 OR ROTAT?)
S11     15       RD S9  (unique items)
S12     0        S11(3N)S8
S13     0        S9(3N)RE()PARAMETER?
S14     1        S11(3N)S2
S15     15       S11(3N)S3
S16     14       S15 NOT S14
S17     8        S16 NOT (BLOOD OR SURVEY OR SAILING OR EVOLUTION OR INFLAT-
                 ION)
S18     84       S1(3N)S2
S19     2        S18(3N)S3
S20     2        S19 NOT S17
S21     1        S20 NOT HAMILTONIAN
S22     0        S18(3N)RE()PARAMETER?
S23     2        S18(3N)S5
S24     2        RD  (unique items)
S25     0        S24 NOT (MIXER OR SPEED OR FICTION)
S26     1        S18(3N)(S7 OR TIME OR FRAME)
S27     0        S26 NOT STAFF
S28     0        S18(3N)S8
S29     2        S6 AND S1
S30     0        S29 NOT HUMAN
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Set	Items	Description
S1	18060	(FLIP? OR REVERSE?? OR REVERSING OR INVERT? OR INVERSION OR SWAP? OR ARRANG? OR REARRANG?OR TRANSPOSE?? OR TRANSPOSING)(-3N)(AXIS OR AXES OR X OR Y OR Z OR ORDINATE?? OR CO()ORDINATE-?? OR GRAPH??)
S2	3827559	CONTROL?()POINT? OR (POSE OR TIME)()KNOT? OR KNOT?? OR POI-NT?? OR LOCUS OR LOCI
S3	3018665	(SAWTOOTH OR RAMP OR STEP)(3N)(FUNCTION OR CURVE??) OR CU-RVE?? OR CURVILINEAR OR SPLINE?? OR PLOT???? OR (CURVE?? OR P-OLYNOMIAL)()FIT? OR SINE OR SINUSOID? OR COSINE OR TANGENT OR CO()TANGENT OR SECANT OR CO()SECANT OR RAMP OR STEP OR WAVE()-FORM??
S4	0	REPARAMERITI?
S5	2093605	PRINT?(3N)SCREEN?? OR DISPLAY?? OR MONITOR?? OR LCD OR LIQ-UID()CRYSTAL()DISPLAY?? OR SCREEN?? OR PANEL??
S6	7412	AU=(PODESTA, R? OR PODESTA R? OR CLARK, S? OR CLARK S? OR -SCHOENEMAN, C? OR SCHOENEMAN C? OR MILLIRON, T? OR MILLIRON T-?)
S7	74321	(TIME OR FREQUENCY)(3N)(DISTANCE?? OR MILE?? OR KILOMETER?? OR LENGTH)
S8	69406	ANIMAT?
S9	58	SPLINE(3N)DISPLAY??

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S10    209    S1(S)S2(S)S3
S11      0    S10(3N)S5
S12     13    S10 AND S5
S13      6    RD  (unique items)
S14    168    S1(3N)S2
S15      0    S14(3N)S8
S16      0    S14 AND S9
S17      6    S14(3N)S3
S18      6    S17 NOT S13
S19      0    S18 NOT (HAMILTONIAN OR RIVERS)
S20     44    RD S9  (unique items)
S21      0    S20(3N)S1
S22      0    S20 AND S1
S23      1    S20(3N)S2
S24     44    S20(3N)S3
S25     44    S24(3N)S5
S26      0    S25(3N)S7
S27      0    S25(3N)(TIME OR FREQUENCY)
S28      2    S25(S)S8
S29      1    S28 NOT (S13 OR S23)
S30      0    S25 AND S6
S31      0    (S10 OR S14) AND S6
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